

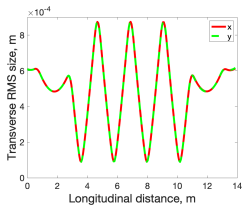
CeC Physics

Jun Ma

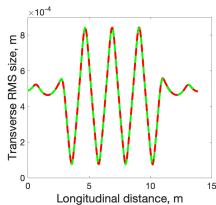
Collider-Accelerator Department
Brookhaven National Laboratory

5/20/2022

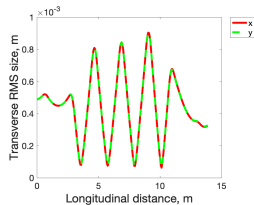
- PCA lattice
- Peak current 75 A, KV emittance $7 \mu\text{m}$
- Peak current 50 A, KV emittance $6 \mu\text{m}$
- Peak current 45 A, KV emittance $6 \mu\text{m}$
- Peak current 45 A, KV emittance $7 \mu\text{m}$
- Peak current 40 A, KV emittance $6 \mu\text{m}$
- Peak current 40 A, KV emittance $7 \mu\text{m}$



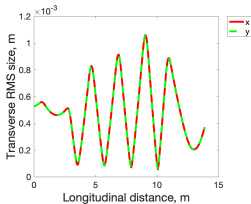
(a) 75 A, 7 μm



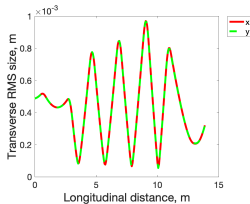
(b) 50 A, 6 μm



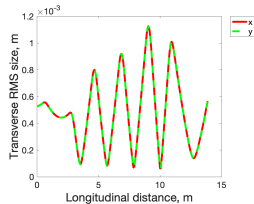
(c) 45 A, 6 μm



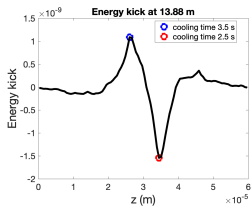
(d) 45 A, 7 μm



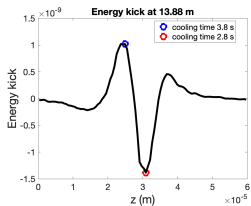
(e) 40 A, 6 μm



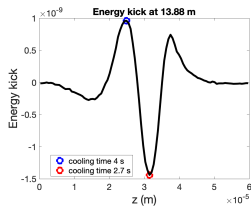
(f) 40 A, 7 μm



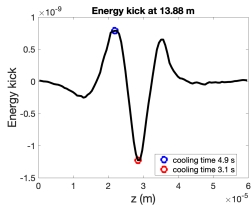
(a) 75 A, 7 μm



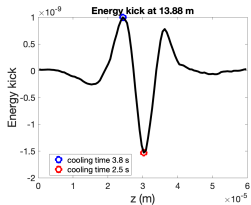
(b) 50 A, 6 μm



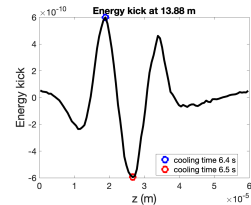
(c) 45 A, 6 μm



(d) 45 A, 7 μm



(e) 40 A, 6 μm



(f) 40 A, 7 μm